HEARING RESEARCH

Vol. 108, Nos. 1–2
June 1997

CONTENTS

Cited in: Biological Abstracts (BIOSIS); Chemical Abstracts; Current Contents/Life Sciences; Current Awareness in Biological Sciences (CABS); Excerpta Medica (EMBASE); Index Medicus; INSPEC; PASCAL M; Reference Update

Research Papers

H. Pratt, A. Polyakov and L. Kontorovich (Israel)
Evidence for separate processing in the human brainstem of interaural intensity and temporal disparities for sound lateralization 1

M.A. Gratton, B.J. Smyth, C.F. Lam, F.A. Boettcher and R.A. Schmiedt (USA)
Decline in the endocochlear potential corresponds to decreased Na,K-ATPase activity in the lateral wall of quiet-aged gerbils 9

A.Ya. Supin, V.V. Popov, O.N. Milekhina and M.B. Tarakanov (Russia)
Frequency-temporal resolution of hearing measured by rippled noise 17

J.E. Hine, A.R.D. Thornton and G.B. Brookes (UK)
Effect of olivocochlear bundle section on evoked otoacoustic emissions recorded using maximum length sequences 28

T. Kawase, H. Hidaka and T. Takasaka (Japan)
Frequency summation observed in the human acoustic reflex 37

M. Sato, M.M. Henson and D.W. Smith (Japan, USA)
Synaptic specializations associated with the outer hair cells of the Japanese macaque 46

S. Iwasaki, K. Mizuta, J. Gao, R. Wu and T. Hoshino (Japan)
Focal microcirculation disorder induced by photochemical reaction in the guinea pig cochlea 55

H. Yamane, M. Takayama, K. Konishi, H. Iguchi, S. Shibata, K. Sunami and Y. Nakai (Japan)
Nitric oxide synthase and contractile protein in the rat cochlear lateral wall: possible role of nitric oxide in regulation of strial blood flow 65

B.J. Burgess, J.C. Adams and J.B. Nadol Jr. (USA)
Morphologic evidence for innervation of Deiters' and Hensen's cells in the guinea pig 74

Y. Shiomi, J. Tsuji, Y. Naito, N. Fujiki and N. Yamamoto (Japan)
Characteristics of DPOAE audiogram in tinnitus patients 83

W.B. Warr, J. Beck Boche and S.T. Neely (USA)
Efferent innervation of the inner hair cell region: origins and terminations of two lateral olivocochlear systems 89

R.K. Shepherd and E. Javel (Australia, USA)
Electrical stimulation of the auditory nerve. I. Correlation of physiological responses with cochlear status 112

D.M. Harris, R.V. Shannon, R. Snyder and E. Carney (USA)
Multi-unit mapping of acoustic stimuli in gerbil inferior colliculus 145

X. Lin (USA)
Action potentials and underlying voltage-dependent currents studied in cultured spiral ganglion neurons of the postnatal gerbil 157

B. Kuhn and M. Vater (Germany)
The postnatal development of F-actin in tension fibroblasts of the spiral ligament of the gerbil cochlea 180

Contents continued on inside back cover

0378-5955(199706)108:1/2;1-I

(Contents continued from back cover)

M.A. Cheatham and P. Dallos (USA)
Low-frequency modulation of IHC and OC responses in the guinea pig cochlea 191

Calendar of Events 213

Instructions to Authors 216

Author Index Volume 108 219

Subject Index Volume 108 221

The table of contents of *Hearing Research* is included in ESTOC – Elsevier Science Tables of Contents service – which can be accessed on the World Wide Web at the following URL addresses:
http://www.elsevier.nl/locate/estoc or http://www.elsevier.com/locate/estoc

A CUMULATIVE INDEX for *Hearing Research*, Volumes 1 through to the current volume is available on the Internet: gopher://spib.rice.edu:70/11/SPIB/bibliography/hr

SUBMISSION PROCEDURE Please submit your manuscript plus three copies of all items including figures (a total of **four** original sets of micrographs should be submitted) and tables to:

Professor Aage Møller
(Editor in Chief)
P.O. Box 99187
Pittsburgh
PA 15233-4187
USA

Address for courier services:
Department of Neurological Surgery
Suite B-400 Presbyterian-University Hospital
200 Lothrop Street
Pittsburgh
PA 15213
USA

Cleat Szczepaniak
(Editorial secretary)
Telephone +1 (412) 648 3901
E-mail cleats+@pitt.edu

For a full and complete Instructions to Authors, please refer to Hearing Research, Vol. 108, Nos. 1-2, pp. 216–218. The instructions can also be found on the World Wide Web: access under http://www.elsevier.nl or http://www.elsevier.com